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UK Woodland Carbon Code

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Forestry Commission, UK

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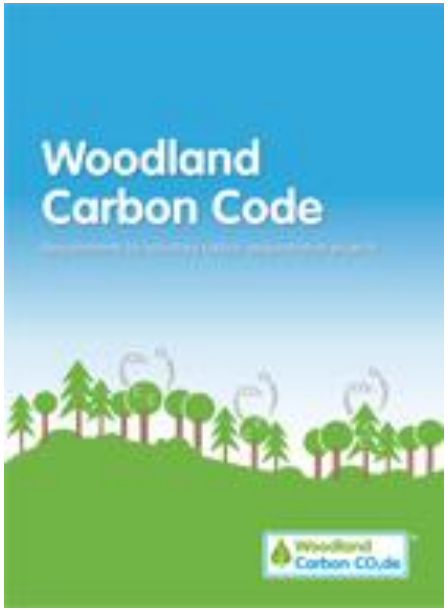
Woodland Carbon CO_2de®

Part 1

How are the emissions units generated by your programme, mechanism or project?

UK WCC

- Voluntary, National C standard
- Woodland creation in UK
- Government-led
- Since 2011



High standards

- Robust Science/ GHG account
- Independent verification
- Transparent registry

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Forestry Commission

WCC Process

Year 0

Project Design Doc

Validate

List PIUs

Year 5

Project Progress Report

Verify

Convert PIU to WCU

Year 15

Repeat every 10 years

Project Progress Report

Verify

Convert PIU to WCU

Repeat

Progress

From 2011 to End 2017:

- **245 Projects registered**
- 16,247 ha woodland
- 5.9 $MtCO_2$ over lifetime

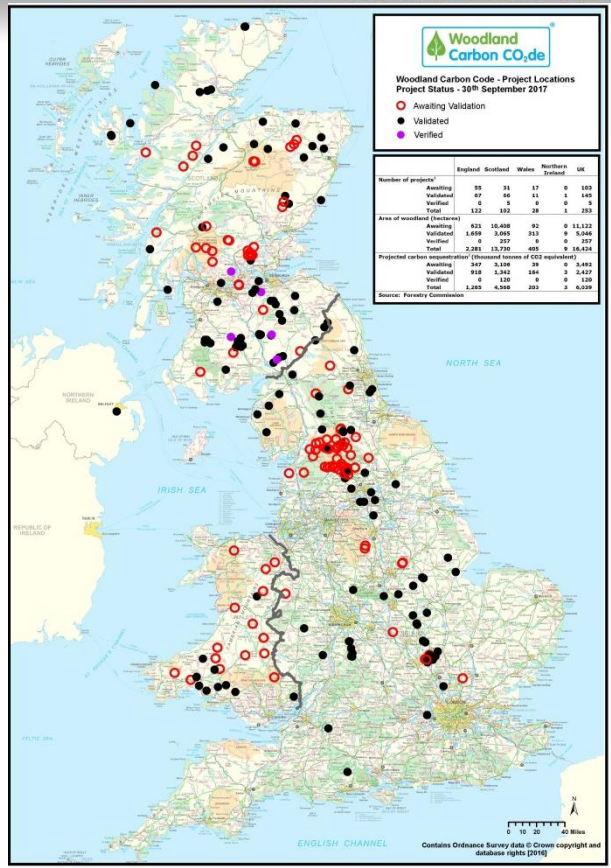
- **150 projects validated**
- 5,081 ha woodland
- 2.4 $MtCO_2$ over lifetime

- **Of which, 31 projects verified yr 5**
- 1,287 ha woodland
- 0.6M tCO_2 over lifetime
- *<0.01M tCO_2 delivered by 2017*

➢40+ Project Developers

➢70+ Corporate Buyers with UK base/emissions

➢60% Validated units already purchased



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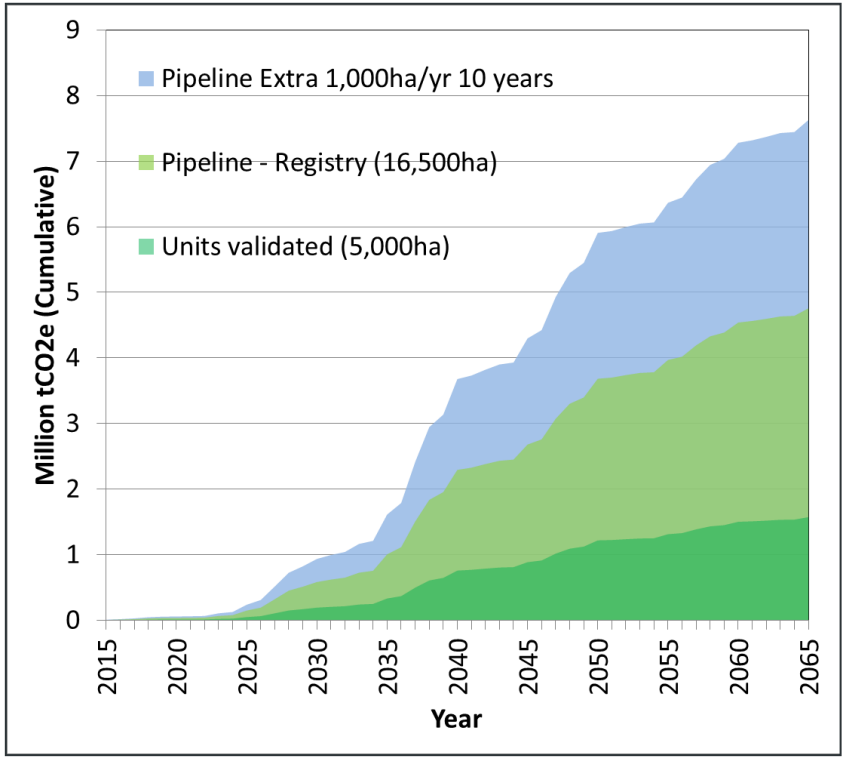
Value/Availability

Wider value of WCU units (Eftec, 2016)

Impact	Per tonne CO_2
Recreation	$ 90-105 USD
Air quality	$ 14 USD
Biodiversity	$ 31-137 USD
Economic activity	$10 USD GVA
Water quality/ flooding	12% in priority areas
Social deprivation	12 projects accessible by deprived communities

Future Availability of WCC Units



Examples

- Fuel card company
- Bought from 57 woodlands
- Multiple benefits
- Local/ tangible projects
- Customer/employee engagement

- Milton of Mathers
- 17 hectares native woodland
- Biodiversity and farm benefits
- 6,662 tCO_2 over 70 years

Part 2

What are the features and benefits of the emissions units generated by your programme, mechanism or project, including the means to ensure their quality?

Quality Standard

- UK Forestry Standard: Sustainability:

- Additionality (Legal, financial)
- Permanence (UK legislation, RA & 20% CO_2 →buffer)
- Baseline, leakage and project net benefit
- Transparent GHG Claims

- Woodland Benefits Tool

Robust Claims

- Independent verification:

Acoura

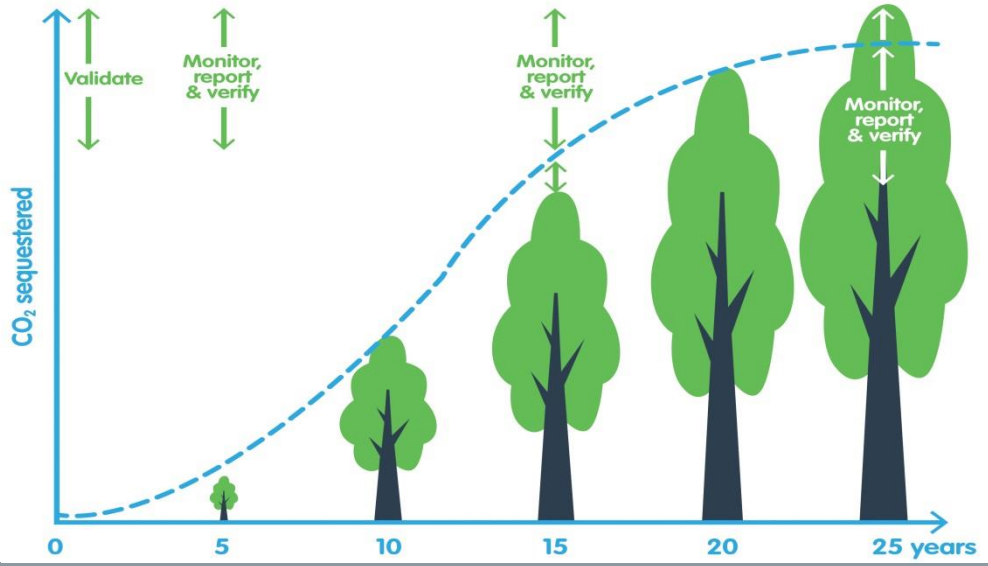
Soil Association CERTIFICATION

→ISO 14065 & ISO 14064/3

- Verifiers accredited:

UKAS UNITED KINGDOM ACCREDITATION SERVICE

- Robust science
  - Prediction tool
  - Monitoring protocol



Part 3

Where can potential buyers purchase the emissions units generated by your programme, mechanism or project?

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Buying units

From Project

forestry.gov.uk

Via Markit

RFI platform

View units

‘Offered’

ihsmarkit.com

Via Brokers

FOREST CARBON

WOODLAND TRUST

carbonclear

NATURAL CAPITAL PARTNERS

climatecare

Part 4

How does your programme, mechanism or project track the use of emissions units?

Registry

→Only one registry, only one standard

→Transparent, publicly available

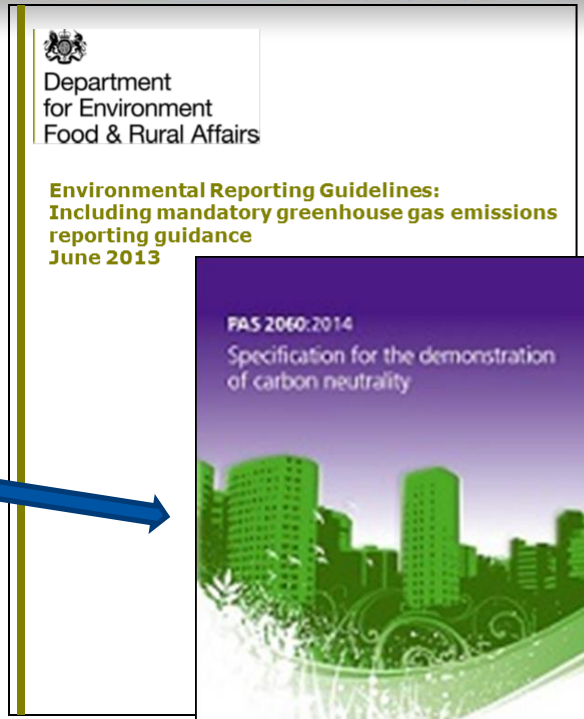
IHS Markit

- Each unit has unique serial number
- Units issued at validation as PIU
- Converted at verification to WCU
- Transferred or assigned to buyer
  - No requirement for buyer a/c if assigned
- WCU retired upon use

=NO Double-
-selling
-issuance
-monetisation

Use of WCUs

- Mandatory GHG emissions reporting for 1,000 UK companies – may extend.
- Verified WCUs can currently be used within the UK:
  - To compensate for emissions
  - In carbon neutral claim
- WCUs currently counted towards UK national target (with environmental integrity intact)
- Not currently setup to allow international use.



Thank you

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www.forestry.gov.uk/carboncode

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